

Route 1 Project Study Report Overview



Project Study Report (PSR-PDS)

A report that describes the transportation problem and identifies the project scope, schedule and estimated cost so that the project can be programmed for environmental studies.





Two PSRs Developed

- (1) Widening with Interchange Modifications
- (2) Auxiliary Lanes with Ramp Metering



Range of Alternatives

- Widening for High Occupancy Vehicles (HOV)
- Widening for Mixed Flow Vehicles
- Widening for High Occupancy Toll (HOT)
- Interchange/Ramp Improvements
- Auxiliary Lanes at Various Locations
- Ramp Metering (with all build alternatives)
- No Build



Project Purpose

- •To facilitate more efficient and safe operations of Route 1 as measured by congestion, travel times, mobility and accidents.
- To discourage reliance on single-occupant vehicle travel by improving travel conditions and interconnectivity for transit and high occupancy vehicles.
- To maximize the utility of any additional capacity that is created.



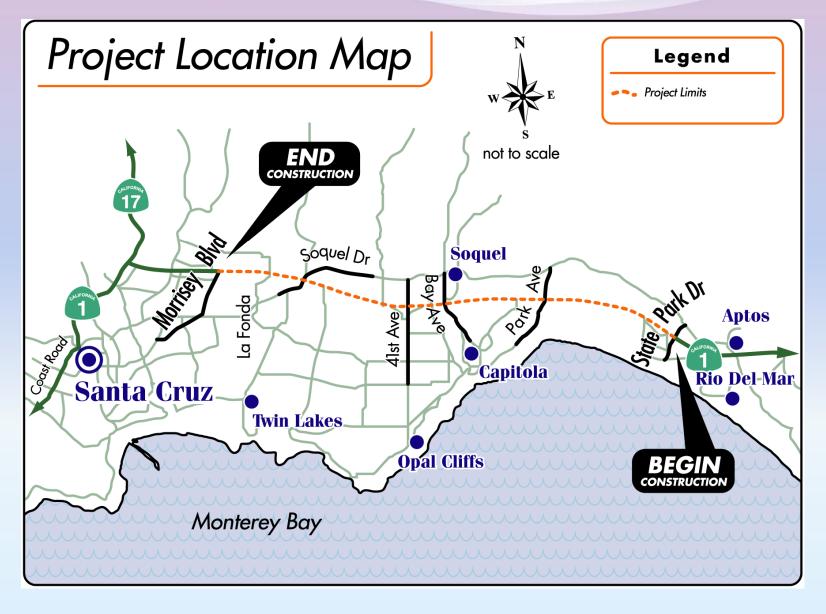
Presentation Team

Rich Krumholz Claudia Espino Scott Eades Luis Duazo Transportation Planner
Senior Design Engineer
Transportation Engineer
Project Manager

PROJECT LOCATION MAP

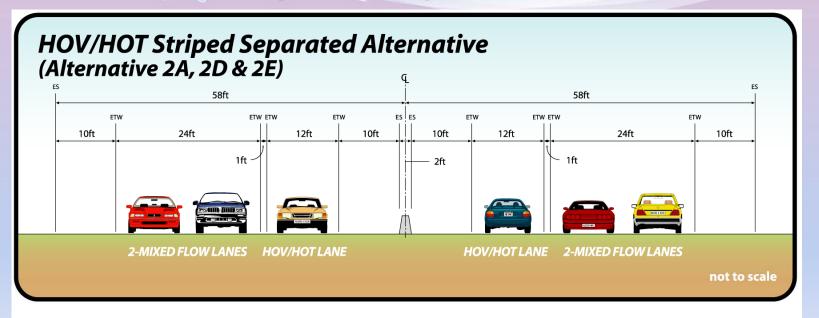


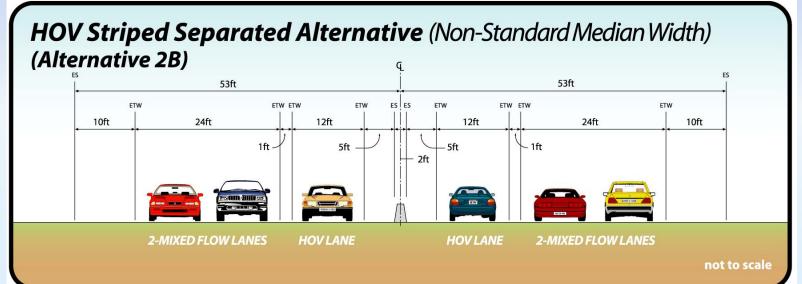








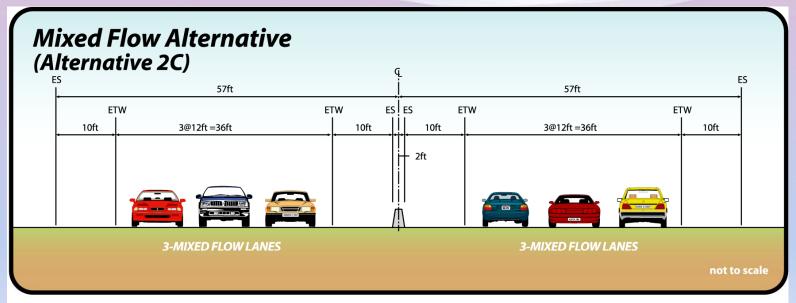


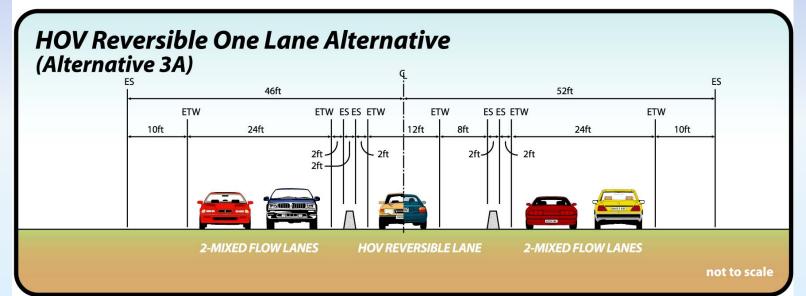




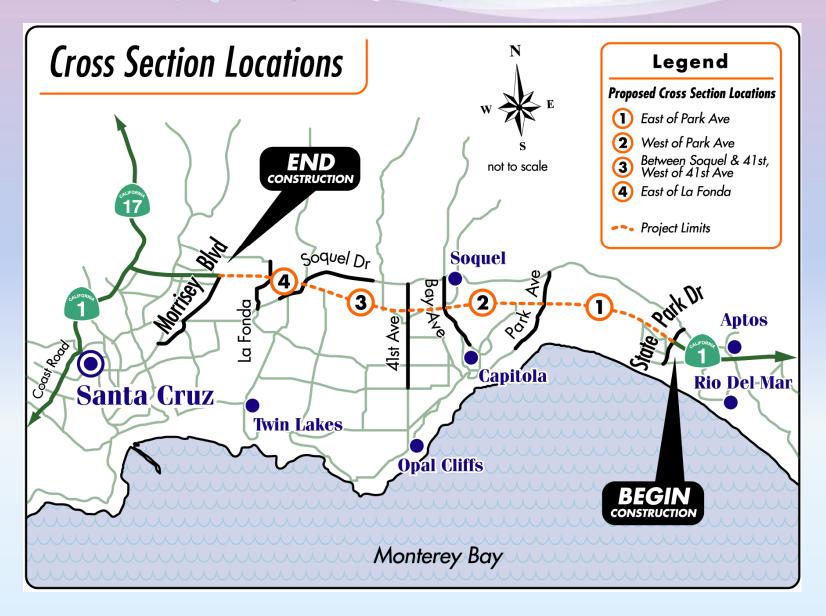






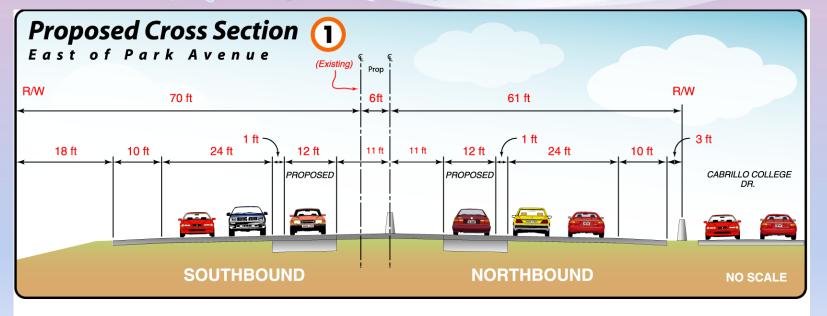


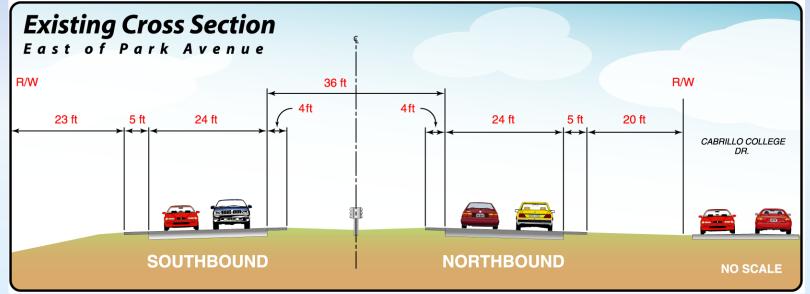






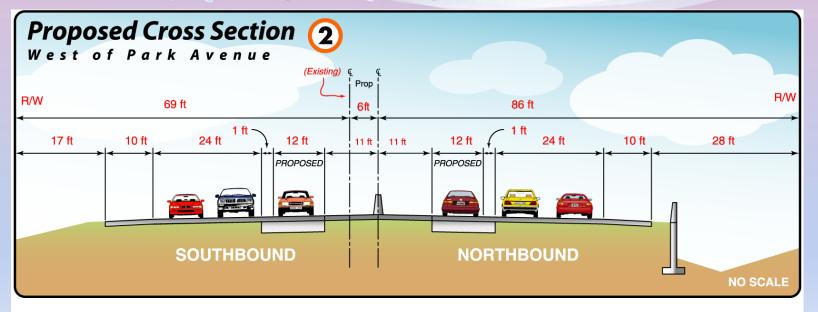


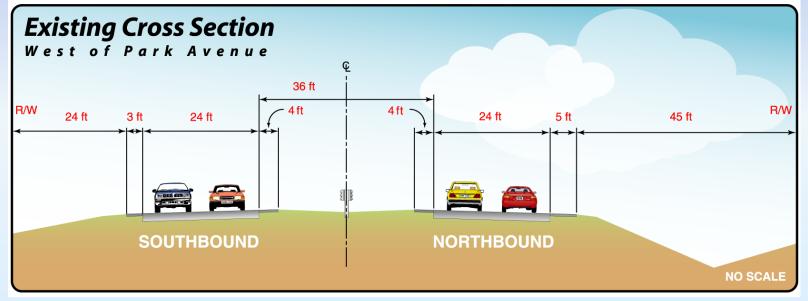






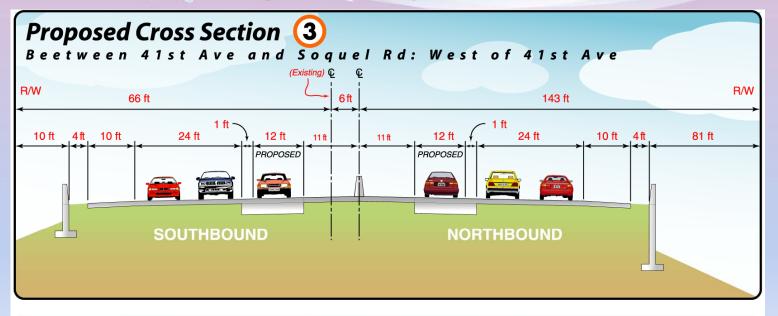


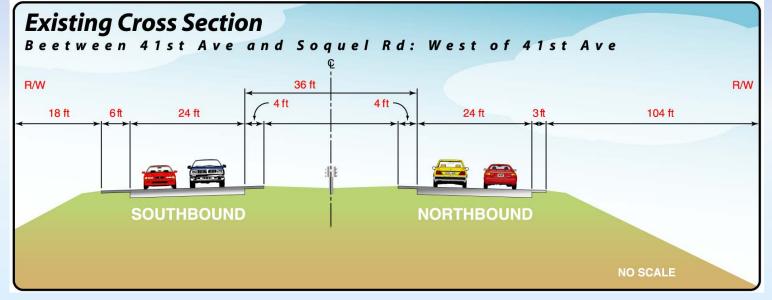






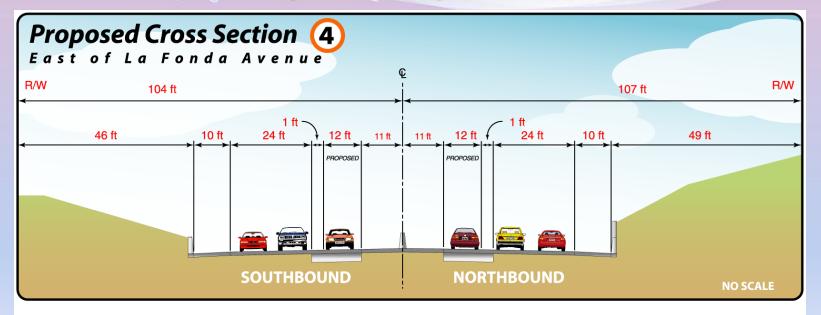


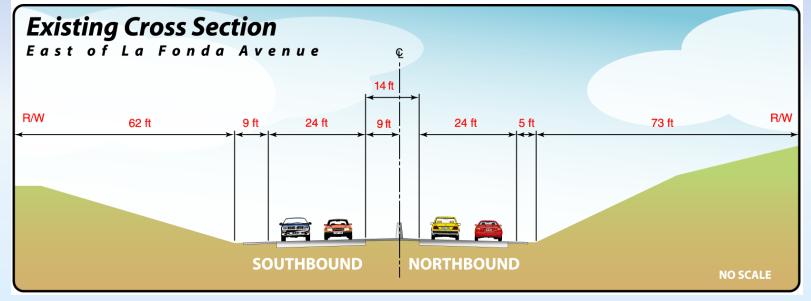






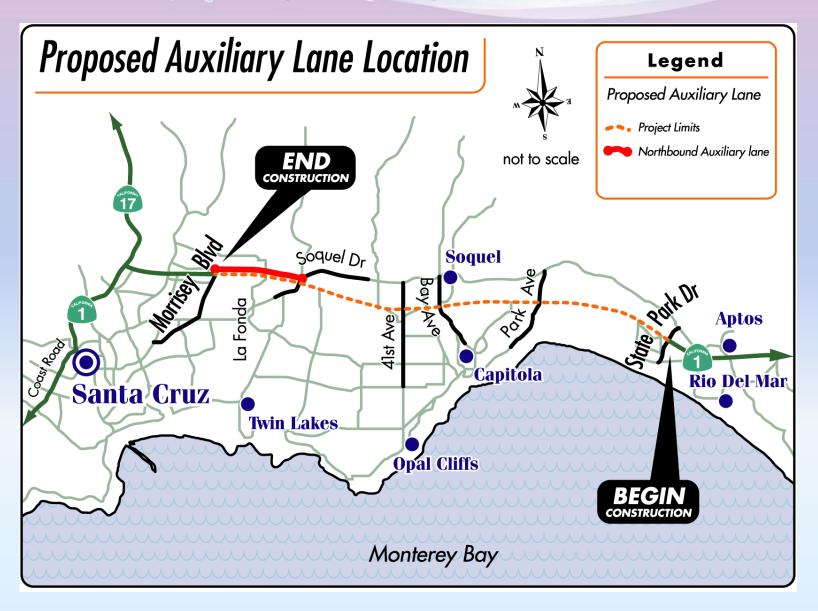






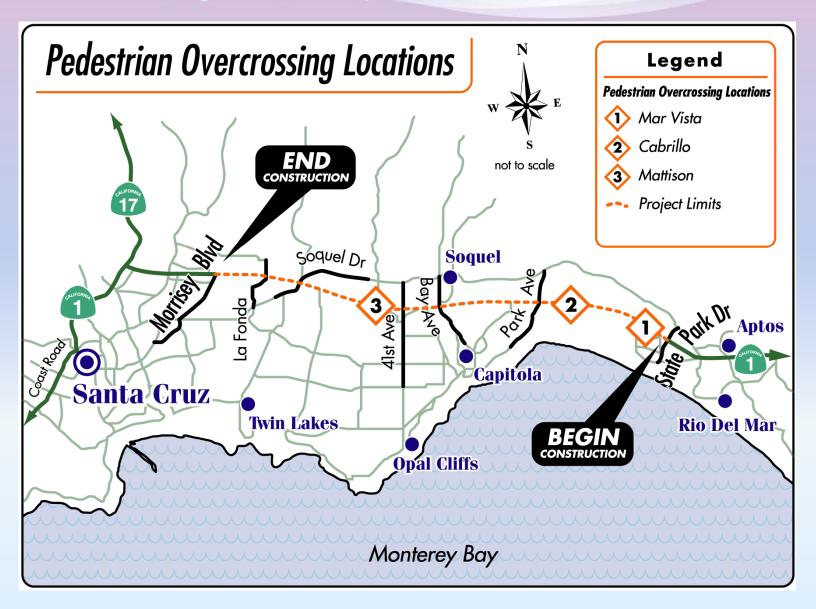
AUXILIARY LANE LOCATIONS





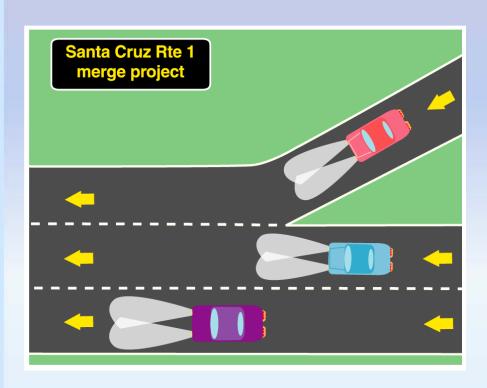
PEDESTRIAN OVERCROSSING LOCATIONS

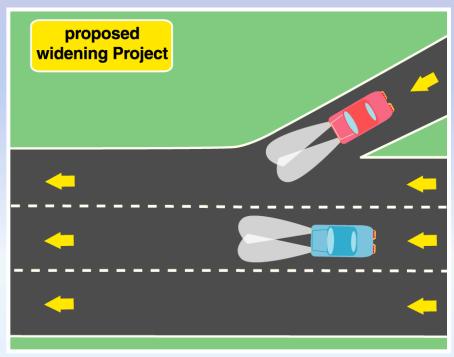






On Route 1 Northbound at Morrissey On Ramp

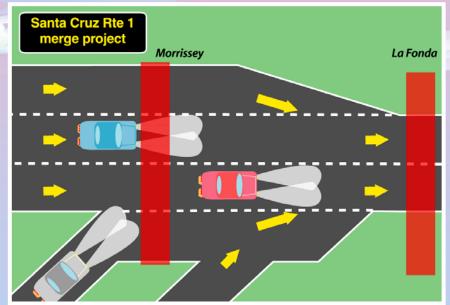


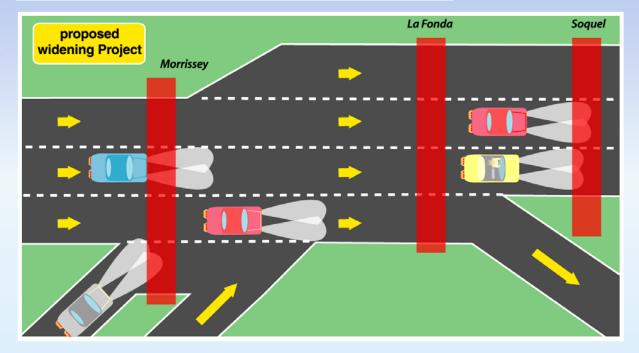






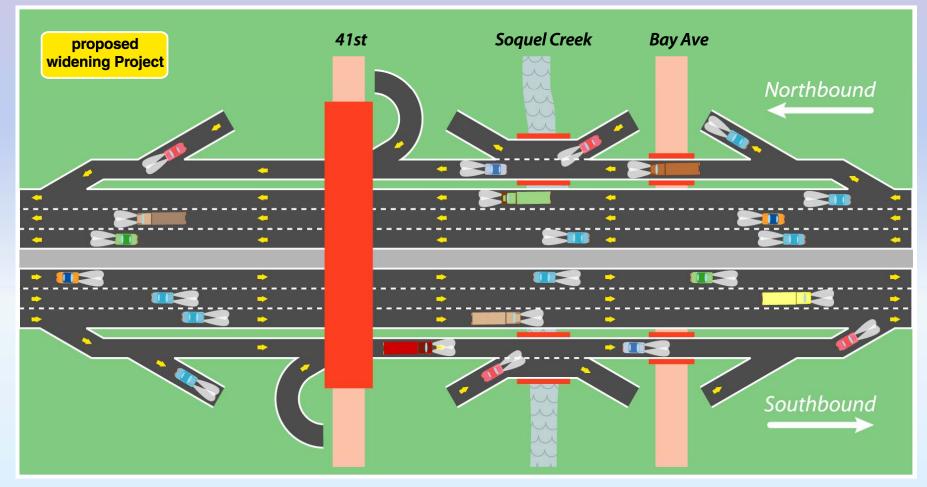
On Route 1 Southbound at Morrissey Off Ramp





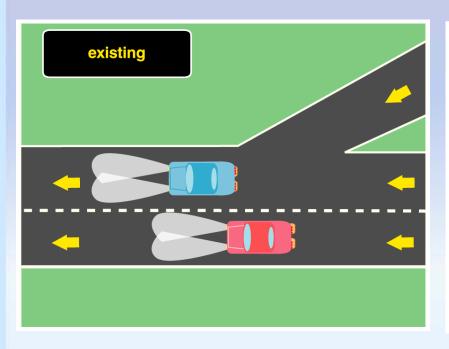


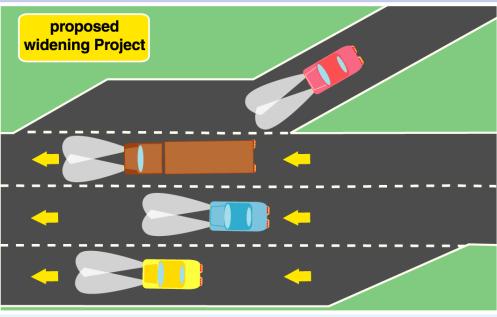
41st and Bay





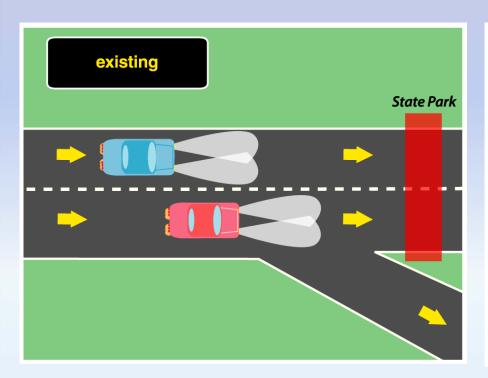
On Route 1 Northbound at State Park On Ramp

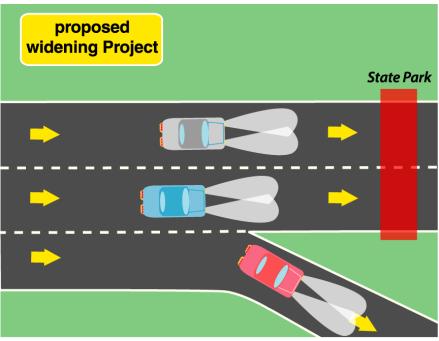






On Route 1 Southbound at State Park On Ramp







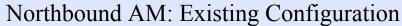
Traffic Analysis

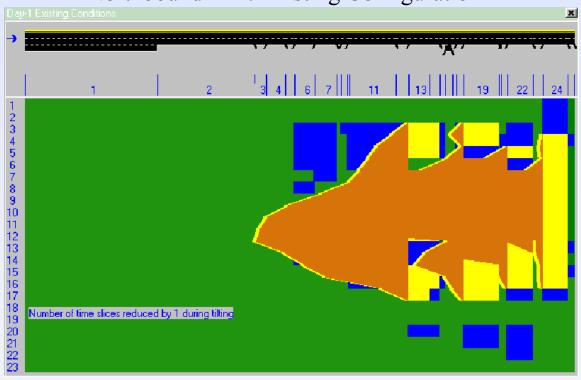


Congestion Management Study

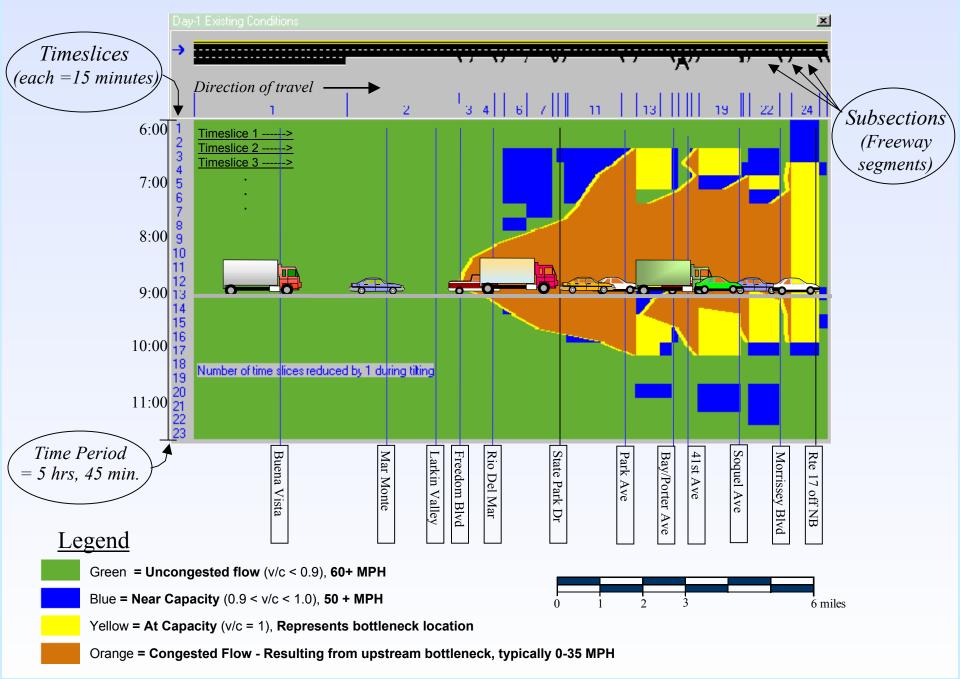


FREQ Output:

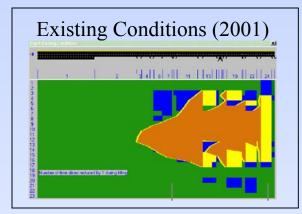




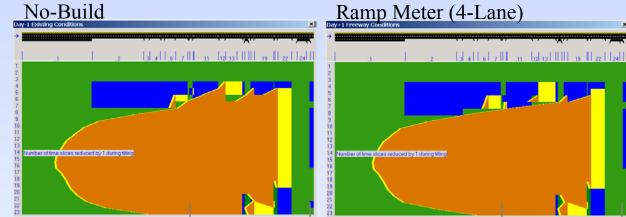
Sample FREQ Output - Northbound

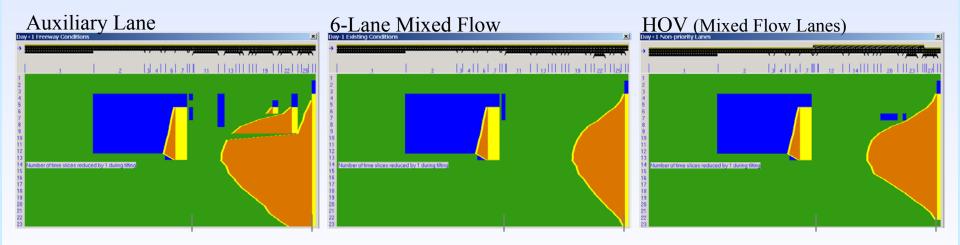


Northbound AM

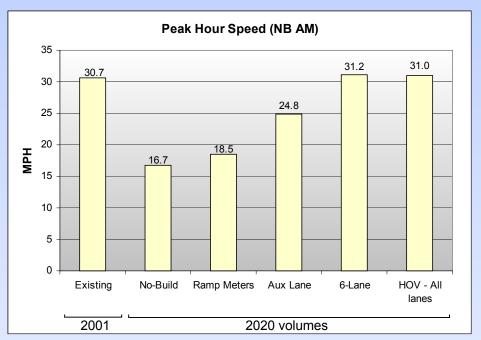


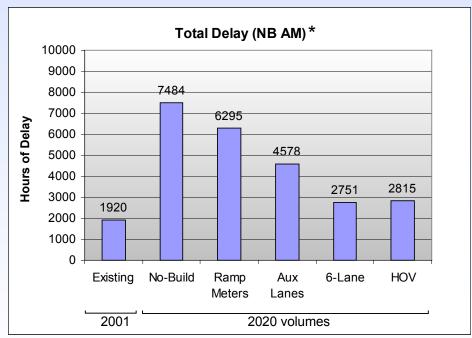
Alternatives Analysis (with 2020 Volumes)

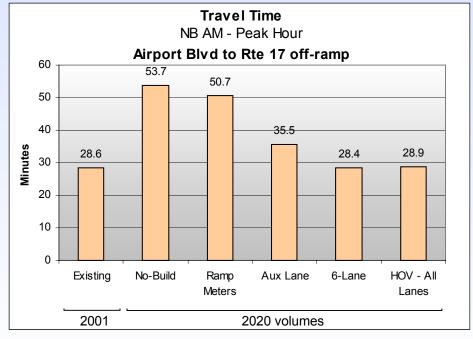




Northbound AM

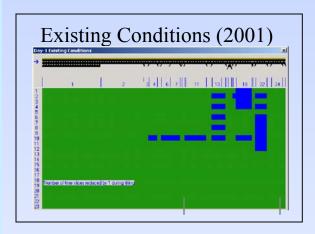




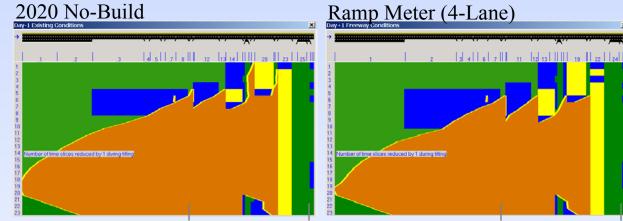


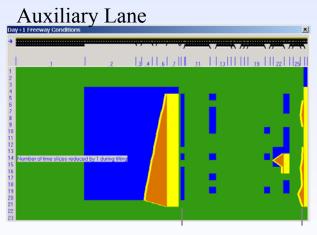
*during the 6 hour peak period (6am-Noon)

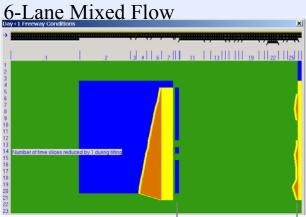
Northbound PM

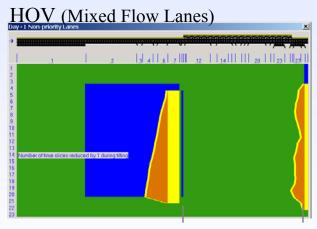


Alternatives Analysis (with 2020 Volumes)

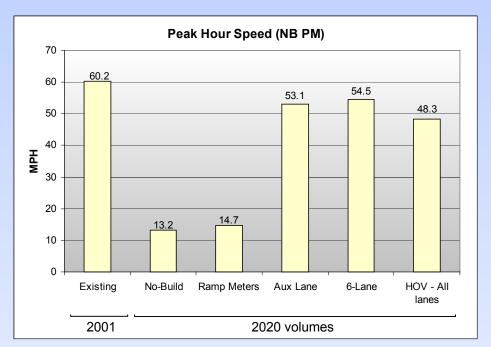


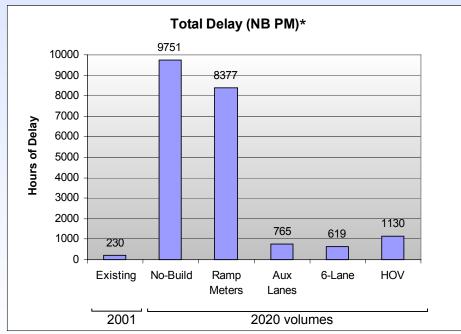


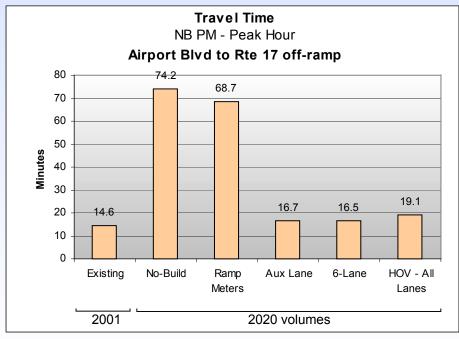




Northbound PM

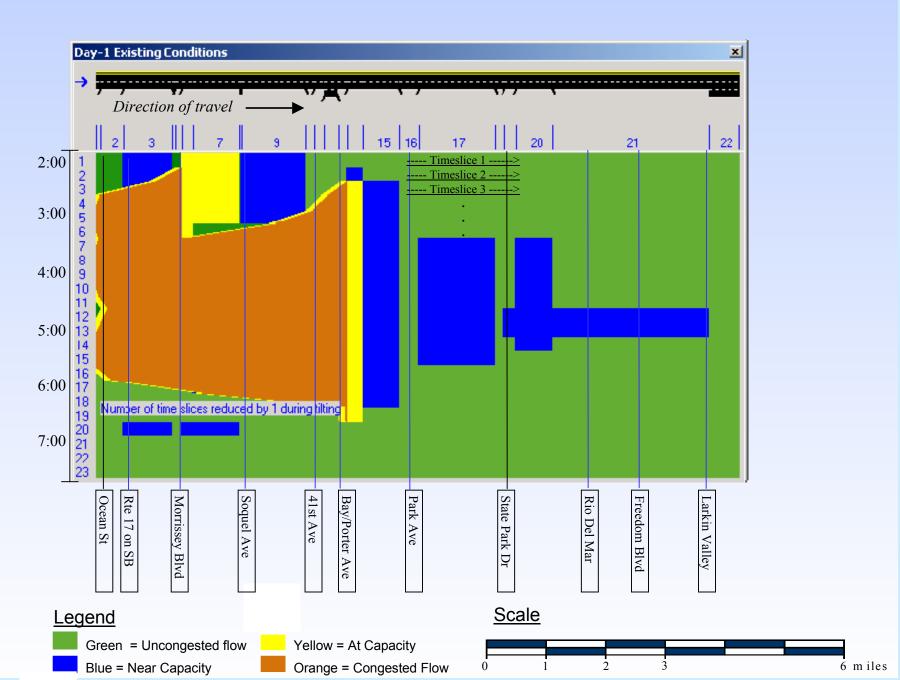




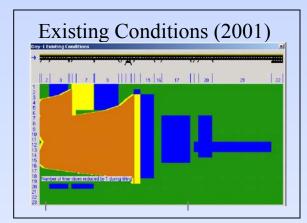


*during the 6 hour peak period (2pm-8pm)

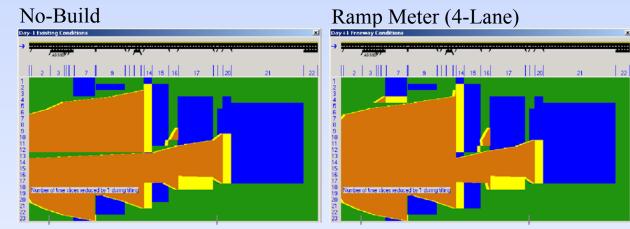
Sample FREQ Output - Southbound

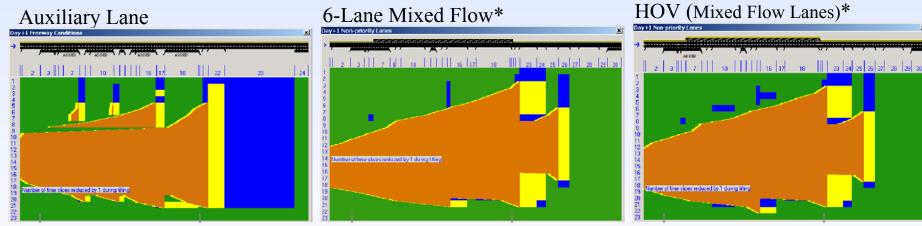


Southbound PM - With widening to State Park Drive



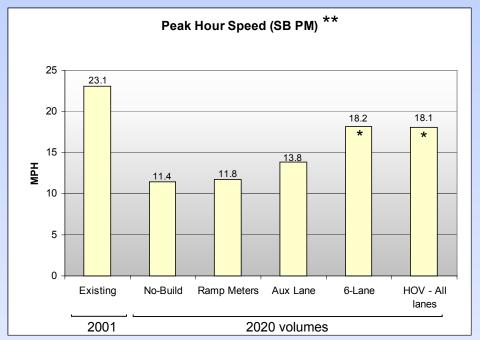
Alternatives Analysis (with 2020 Volumes)

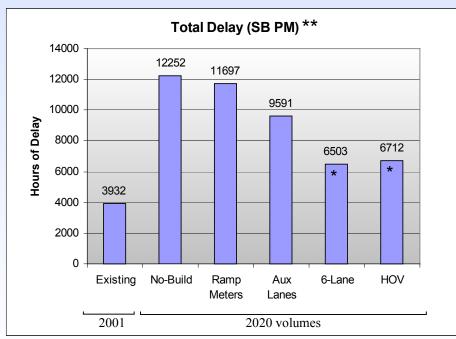


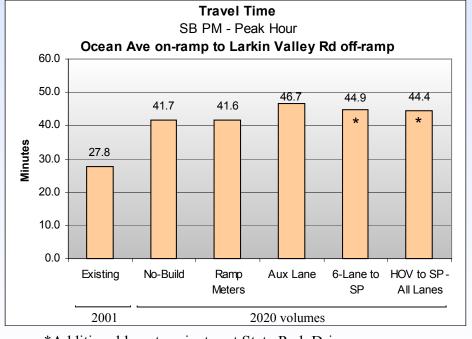


*Extended only to State Park Drive

Southbound PM



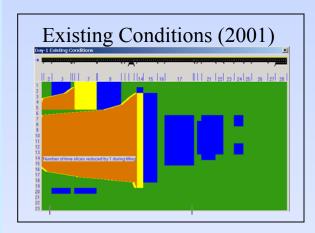




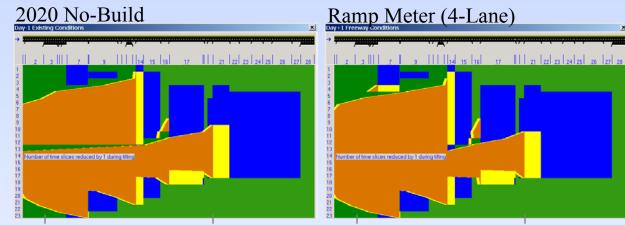
**during the 6 hour peak period (2pm-8pm)

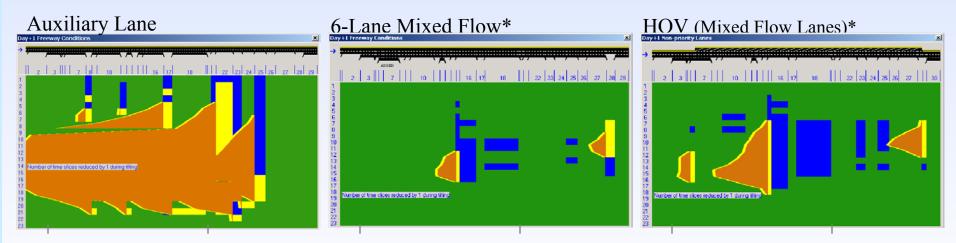
*Additional lane terminates at State Park Drive

Southbound PM - With widening to Larkin Valley/San Andreas



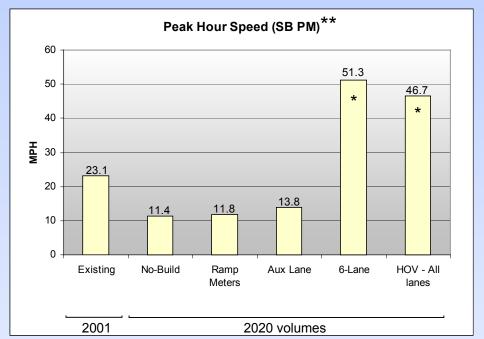
Alternatives Analysis (with 2020 Volumes)

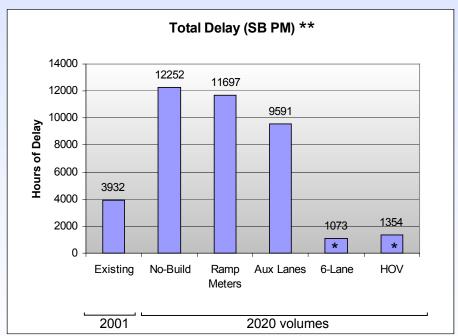


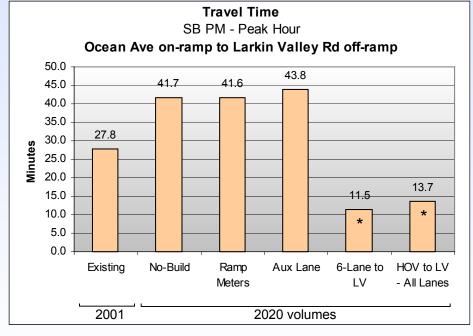


*Extended to Larkin Valley Road

Southbound PM







**during the 6 hour peak period (2pm-8pm)

*Extended to Larkin Valley/San Andreas